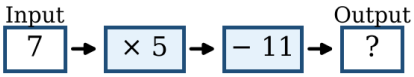
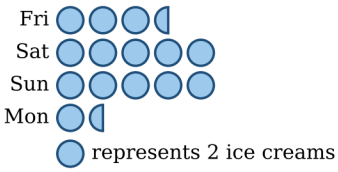
Day 294	C Tier 10-a-day

1 Here is a function machine.
Work out the output when the input is 7.



2 Sam is facing east.
Sam turns 180° clockwise.
Which direction is Sam facing now?

3 The pictogram shows the number of ice creams sold at a kiosk.
How many ice creams on Mon?



4 At midday the temperature in Oslo is 5°C.
At midnight it is −2°C.
How many degrees lower is the temperature at midnight?

5 On a map, 1 cm represents 200 m.
On the map, two towns are 11 cm apart.
Work out the real distance between the towns.

Day 294 **C Tier 10-a-day**

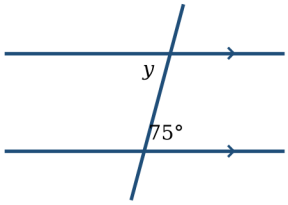
6 Write $\frac{20}{45}$ in its simplest form.

7 The stem and leaf diagram shows the marks in a test.
Write down the smallest value.

Stem	Leaf
1	1
2	4 5 7
3	0 1 4 6 7

Key: 1 | 1 means 11

8 Two parallel lines are crossed by a straight line.
Work out the size of angle y.
Give a reason for your answer.



9 A bag contains 7 yellow beads, 7 black beads and 4 blue beads.
One is taken at random.
Write down the probability that it is not black.

10 Work out the value of 4y when y = 6.